

Table 239. Energy Consumption Estimates by Source, Selected Years 1960-1997, Oregon

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum											Nuclear Electric Power	Hydro-electric Power <sup>d</sup>		Net Interstate Flow of Electricity/Losses <sup>g</sup>	Total <sup>h</sup>	
			Asphalt & Road Oil <sup>a</sup>	Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Lubricants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Other <sup>a,c</sup>	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Million kWh	Biomass <sup>e</sup>	Other <sup>a,f</sup>	Million kWh		
1960	381	31	1,820	655	10,966	384	45	1,164	476	16,361	5,562	434	37,866	0	12,466	-	8,038	-	
1965	305	56	1,960	277	13,085	812	19	961	612	19,838	5,115	1,653	44,332	0	16,508	-	13,499	-	
1970	140	95	2,167	305	12,904	2,086	218	1,251	768	24,958	6,632	1,613	52,903	0	29,912	-	-4,443	-	
1975	130	110	3,218	171	13,267	2,079	225	726	679	28,904	4,321	1,395	54,984	2	34,562	-	8,289	-	
1980	715	79	2,483	260	16,764	2,465	112	1,354	751	30,511	4,511	1,043	60,254	5,395	30,222	-	17,611	-	
1985	591	83	2,838	141	15,394	2,142	68	1,527	684	29,047	4,961	813	57,615	6,911	45,876	-	-43,920	-	
1986	163	71	2,225	193	14,894	2,618	31	1,517	668	29,947	5,491	1,210	58,793	7,081	42,096	-	-35,483	-	
1987	205	80	2,140	127	16,207	2,928	17	1,490	756	30,649	5,089	1,845	61,247	4,348	40,717	-	-14,098	-	
1988	177	87	2,423	98	16,473	3,189	20	1,581	729	32,092	6,155	1,818	64,579	6,339	36,309	-	-1,850	-	
1989	396	108	2,802	102	16,254	3,377	50	1,612	747	31,889	5,385	1,743	63,962	5,299	NA	-	R -9,328	-	
1990	934	109	3,026	121	17,051	3,319	26	1,384	769	31,728	4,492	2,150	64,066	6,074	NA	-	R -19,992	-	
1991	1,940	123	2,657	126	16,152	3,744	21	1,559	688	32,125	6,333	2,167	65,571	1,465	NA	-	R -14,175	-	
1992	2,124	122	3,297	129	15,351	4,011	31	1,430	702	31,921	6,570	2,904	66,346	4,573	NA	-	R -9,424	-	
1993	2,100	136	3,329	110	14,126	4,310	41	1,561	714	33,528	4,656	2,389	64,765	-21	NA	-	6,393	-	
1994	2,479	146	3,422	156	14,008	4,649	74	1,423	747	33,837	4,452	2,578	65,346	0	NA	-	R 13,347	-	
1995	1,125	146	2,758	143	14,700	5,114	62	1,535	734	34,021	3,645	2,631	65,344	0	NA	-	R 3,001	-	
1996	1,134	169	2,745	191	14,089	5,235	89	1,669	712	35,161	3,304	2,816	66,011	0	NA	-	R -9,686	-	
1997	918	172	2,965	176	15,433	5,720	62	1,686	752	33,594	3,521	2,614	66,524	0	NA	-	-3,161	-	
Trillion Btu																			
1960	8.9	31.9	12.1	3.3	63.9	2.1	0.3	4.7	2.9	85.9	35.0	2.6	212.7	0.0	134.1	R 56.4	0.0	27.4	R 471.5
1965	7.1	60.0	13.0	1.4	76.2	4.5	0.1	3.9	3.7	104.2	32.2	9.8	249.0	0.0	172.6	R 57.8	0.0	46.1	R 592.6
1970	3.0	99.6	14.4	1.5	75.2	11.8	1.2	4.7	4.7	131.1	41.7	9.5	295.7	0.0	313.9	R 57.4	0.0	-15.2	R 754.5
1975	2.7	114.2	21.4	0.9	77.3	11.7	1.3	2.7	4.1	151.8	27.2	8.3	306.6	(s)	359.6	R 57.7	0.0	28.3	R 869.2
1980	12.1	82.3	16.5	1.3	97.7	13.9	0.6	5.0	4.6	160.3	28.4	6.1	334.3	58.8	314.0	R 85.2	0.0	60.1	R 946.8
1985	10.0	85.5	18.8	0.7	89.7	12.1	0.4	5.5	4.1	152.6	31.2	4.8	319.9	74.7	479.3	R 97.4	0.0	-149.9	R 917.0
1986	2.9	72.5	14.8	1.0	86.8	14.8	0.2	5.5	4.1	157.3	34.5	7.1	326.0	76.5	439.7	R 103.8	0.0	-121.1	R 900.3
1987	3.7	82.5	14.2	0.6	94.4	16.5	0.1	5.5	4.6	161.0	32.0	11.0	339.8	46.9	424.2	R 106.4	0.0	-48.1	R 955.4
1988	3.1	89.2	16.1	0.5	96.0	18.0	0.1	5.8	4.4	168.6	38.7	10.8	358.9	68.1	374.9	R 111.7	0.0	-6.3	R 999.5
1989	6.8	111.8	18.6	0.5	94.7	19.1	0.3	5.9	4.5	167.5	33.9	10.4	355.4	56.8	R i 413.4	R i 106.5	R i 0.6	R -31.8	R i 1,022.0
1990	15.7	111.7	20.1	0.6	99.3	18.8	0.1	5.0	4.7	166.7	28.2	12.8	356.3	64.9	R 445.6	R 74.2	R 0.7	R -68.2	R 1,002.9
1991	32.8	127.0	17.6	0.6	94.1	21.1	0.1	5.6	4.2	168.8	39.8	12.8	364.8	15.7	R 457.0	R 74.3	R 0.7	R -48.4	R 1,030.3
1992	40.8	126.6	21.9	0.7	89.4	22.7	0.2	5.2	4.3	167.7	41.3	17.2	370.4	48.8	R 377.0	R 77.3	R 0.8	R -32.2	R 1,022.0
1993	37.1	140.6	22.1	0.6	82.3	24.4	0.2	5.6	4.3	176.1	29.3	14.1	359.0	-0.2	395.9	R 76.6	R 0.8	21.8	R 1,036.6
1994	44.6	152.3	22.7	0.8	81.6	26.4	0.4	5.2	4.5	177.7	28.0	15.3	362.6	0.0	R 347.0	R 83.4	R 0.8	R 45.5	R 1,052.3
1995	20.2	151.7	18.3	0.7	85.6	29.0	0.4	5.6	4.5	178.7	22.9	15.6	361.2	0.0	R 431.6	R 88.2	R 0.9	R 10.2	R 1,070.1
1996	20.3	175.3	18.2	1.0	82.1	29.7	0.5	6.0	4.3	184.7	20.8	16.7	363.9	0.0	R 491.1	R 90.5	R 1.0	R -33.0	R 1,118.7
1997	16.4	179.5	19.7	0.9	89.9	32.4	0.4	6.1	4.6	176.5	22.1	15.5	368.0	0.0	486.3	89.3	1.0	-10.8	1,132.9

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

<sup>d</sup> If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

<sup>e</sup> "Biomass" is wood, waste, and ethanol. Ethanol blended into motor gasoline is included in motor gasoline and total petroleum. It is also included in the biomass series to give complete biomass data, but it is counted only once in the energy total.

<sup>f</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>g</sup> Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

<sup>h</sup> From 1989, "Total" does not equal the sum of the columns. Ethanol (which is shown in the transportation sector table) is included in both motor gasoline and biomass data in this table but only once in the total. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total in this table but not in any other columns.

<sup>i</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

kWh=kilowatthours. R=Revised data. -=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 240. Residential Energy Consumption Estimates, Selected Years 1960-1997, Oregon

Year	Coal			Natural Gas <sup>b</sup>	Petroleum				Wood	Geothermal	Solar <sup>c</sup>	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>d</sup>	
	Bituminous Coal and Lignite <sup>a</sup>	Anthracite <sup>a</sup>	Total		Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Total							
	Billion Cubic Feet			Thousand Barrels				Thousand Cords	Million Kilowatthours	Million Kilowatthours	Total				
1960	56	0	56	7	2,865	1	507	3,373	R 922	—	—	5,263	—	13,090	—
1965	45	0	45	11	3,382	5	785	4,172	R 661	—	—	7,169	—	17,118	—
1970	11	0	11	20	3,101	65	867	4,033	R 460	—	—	9,850	—	23,871	—
1975	5	0	5	29	2,390	48	362	2,800	R 489	—	—	12,096	—	29,178	—
1980	6	0	6	18	2,019	37	574	2,630	R 415	—	—	13,545	—	32,937	—
1985	1	0	1	21	2,374	41	517	2,932	R 473	—	—	14,526	—	34,128	—
1986	(s)	0	(s)	19	2,045	22	435	2,501	R 460	—	—	13,722	—	31,565	—
1987	1	0	1	19	1,747	10	419	2,176	R 611	—	—	13,711	—	31,328	—
1988	2	0	2	21	1,843	10	316	2,168	R 634	—	—	14,338	—	32,416	—
1989	2	(s)	2	23	1,889	38	359	2,286	R 658	—	—	15,085	—	R 33,893	—
1990	1	0	1	23	1,784	13	380	2,177	558	—	—	15,380	—	R 33,639	—
1991	(s)	0	(s)	26	1,487	13	488	1,989	R 587	—	—	15,949	—	R 34,719	—
1992	(s)	0	(s)	23	1,068	17	432	1,517	618	—	—	15,202	—	R 32,472	—
1993	(s)	1	1	30	1,036	18	483	1,537	522	—	—	16,696	—	35,276	—
1994	(s)	(s)	(s)	29	933	50	510	1,493	R 512	—	—	16,462	—	R 34,352	—
1995	(s)	0	(s)	28	942	26	488	1,456	R 568	—	—	16,315	—	R 33,989	—
1996	0	0	0	33	821	40	463	1,324	R 567	—	—	17,285	—	R 35,973	—
1997	(s)	0	(s)	33	842	34	463	1,339	413	—	—	17,185	—	35,688	—
<b>Trillion Btu</b>															
1960	1.4	0.0	1.4	7.0	16.7	(s)	2.0	18.7	R 18.4	0.0	0.0	18.0	R 63.5	44.7	R 108.2
1965	1.1	0.0	1.1	11.6	19.7	(s)	3.2	22.9	R 13.2	0.0	0.0	24.5	R 73.3	58.4	R 131.7
1970	0.3	0.0	0.3	20.6	18.1	0.4	3.3	21.7	R 9.2	0.0	0.0	33.6	R 85.4	81.4	R 166.9
1975	0.1	0.0	0.1	29.9	13.9	0.3	1.3	15.5	R 9.8	0.0	0.0	41.3	R 96.6	99.6	R 196.1
1980	0.1	0.0	0.1	19.2	11.8	0.2	2.1	14.1	R 8.3	0.0	0.0	46.2	R 88.0	112.4	R 200.4
1985	(s)	0.0	(s)	22.1	13.8	0.2	1.9	15.9	R 9.5	0.0	0.0	49.6	R 97.1	116.4	R 213.5
1986	(s)	0.0	(s)	19.5	11.9	0.1	1.6	13.6	R 9.2	0.0	0.0	46.8	R 89.1	107.7	R 196.8
1987	(s)	0.0	(s)	19.3	10.2	0.1	1.5	11.8	R 12.2	0.0	0.0	46.8	R 90.1	106.9	R 197.0
1988	(s)	0.0	(s)	21.3	10.7	0.1	1.2	11.9	R 12.7	0.0	0.0	48.9	R 94.9	110.6	R 205.5
1989	(s)	(s)	0.1	23.3	11.0	0.2	1.3	12.5	R 13.2	e 0.1	R e 0.3	51.5	R e 100.8	115.6	R e 216.5
1990	(s)	0.0	(s)	23.9	10.4	0.1	1.4	11.8	11.2	0.1	0.3	52.5	R 99.8	114.8	214.5
1991	(s)	0.0	(s)	27.1	8.7	0.1	1.8	10.5	R 11.7	0.1	0.3	54.4	R 104.2	R 118.5	R 222.7
1992	(s)	0.0	(s)	24.0	6.2	0.1	1.6	7.9	12.4	0.1	0.3	51.9	R 96.5	110.8	R 207.3
1993	(s)	(s)	(s)	31.0	6.0	0.1	1.7	7.9	10.4	0.1	0.4	57.0	R 106.8	120.4	R 227.1
1994	(s)	(s)	(s)	30.2	5.4	0.3	1.9	7.6	10.2	0.1	0.4	56.2	R 104.7	117.2	R 221.9
1995	(s)	0.0	(s)	29.3	5.5	0.1	1.8	7.4	R 11.4	0.1	0.5	55.7	R 104.3	116.0	R 220.3
1996	0.0	0.0	0.0	34.7	4.8	0.2	1.7	6.7	11.3	0.1	0.5	59.0	R 112.3	122.7	R 235.0
1997	(s)	0.0	(s)	34.1	4.9	0.2	1.7	6.8	8.3	0.1	0.6	58.6	108.4	121.8	230.2

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Includes small amounts of solar energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>d</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>e</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 241. Commercial Energy Consumption Estimates, Selected Years 1960-1997, Oregon

Year	Coal			Natural Gas <sup>b</sup>	Petroleum						Wood	Electricity <sup>a</sup>	Electrical System Energy Losses <sup>c</sup>	Total <sup>d</sup>		
	Bituminous Coal and Lignite <sup>a</sup>	Anthracite <sup>a</sup>	Total		Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total						
	Thousand Short Tons			Billion Cubic Feet	Thousand Barrels						Thousand Cords	Geothermal	Million Kilowatthours	Net Energy	Million Kilowatthours	
1960	104	0	104	3	1,485	(s)	89	139	991	2,704	R 17	—	3,083	—	7,669	—
1965	84	0	84	6	1,752	4	139	206	1,046	3,147	R 13	—	4,557	—	10,881	—
1970	20	0	20	11	1,607	46	153	249	1,326	3,382	R 9	—	6,674	—	16,173	—
1975	9	0	9	16	1,238	34	64	218	962	2,517	R 9	—	8,804	—	21,235	—
1980	11	0	11	15	1,792	37	101	291	876	3,098	R 10	—	10,456	—	25,425	—
1985	2	0	2	19	1,384	26	91	231	191	1,922	NA	—	10,340	—	24,292	—
1986	1	0	1	17	1,341	7	77	234	328	1,987	NA	—	10,350	—	23,809	—
1987	2	0	2	17	1,622	5	74	243	220	2,164	NA	—	R 10,785	—	R 24,642	—
1988	3	0	3	18	1,520	9	56	237	331	2,153	NA	—	R 11,332	—	R 25,618	—
1989	4	(s)	4	20	1,075	7	63	220	264	1,630	NA	—	R 11,613	—	R 26,091	—
1990	1	0	1	20	1,336	8	67	272	287	1,971	NA	—	R 12,091	—	R 26,445	—
1991	1	0	1	22	995	4	86	174	256	1,514	NA	—	R 12,395	—	R 26,982	—
1992	1	0	1	20	767	5	76	165	243	1,256	NA	—	R 12,575	—	R 26,859	—
1993	1	(s)	1	24	548	11	85	32	175	851	R 42	—	R 12,859	—	R 27,169	—
1994	(s)	(s)	1	23	513	14	90	32	111	760	R 43	—	R 13,426	—	R 28,017	—
1995	1	0	1	22	783	14	86	33	88	1,004	R 43	—	R 13,558	—	R 28,245	—
1996	0	0	0	26	620	38	82	33	84	856	R 47	—	R 14,085	—	R 29,314	—
1997	1	0	1	25	748	22	82	30	49	931	40	—	14,476	—	30,064	—
<b>Trillion Btu</b>																
1960	2.6	0.0	2.6	3.2	8.6	(s)	0.4	0.7	6.2	16.0	R 0.3	0.0	10.5	R 32.6	26.2	R 58.8
1965	2.1	0.0	2.1	6.0	10.2	(s)	0.6	1.1	6.6	18.4	R 0.3	0.0	15.5	R 42.3	37.1	R 79.4
1970	0.5	0.0	0.5	11.9	9.4	0.3	0.6	1.3	8.3	19.8	R 0.2	0.0	22.8	R 55.1	55.2	R 110.3
1975	0.2	0.0	0.2	16.5	7.2	0.2	0.2	1.1	6.0	14.8	R 0.2	0.0	30.0	R 61.8	72.5	R 134.2
1980	0.3	0.0	0.3	15.9	10.4	0.2	0.4	1.5	5.5	18.1	R 0.2	0.0	35.7	R 70.1	86.8	R 156.8
1985	(s)	0.0	(s)	19.6	8.1	0.1	0.3	1.2	1.2	10.9	NA	0.0	35.3	65.9	82.9	148.8
1986	(s)	0.0	(s)	17.2	7.8	(s)	0.3	1.2	2.1	11.4	NA	0.0	35.3	64.0	81.2	145.2
1987	(s)	0.0	(s)	17.2	9.4	(s)	0.3	1.3	1.4	12.4	NA	0.0	36.8	66.4	84.1	150.5
1988	0.1	0.0	0.1	18.8	8.9	0.1	0.2	1.2	2.1	12.4	NA	0.0	38.7	70.0	87.4	157.4
1989	0.1	(s)	0.1	21.0	6.3	(s)	0.2	1.2	1.7	9.4	NA	0.2	39.6	R 70.3	89.0	R 159.3
1990	(s)	0.0	(s)	20.9	7.8	(s)	0.2	1.4	1.8	11.3	NA	0.2	41.3	R 73.8	90.2	R 164.0
1991	(s)	0.0	(s)	23.0	5.8	(s)	0.3	0.9	1.6	8.6	NA	0.2	42.3	R 74.2	92.1	R 166.3
1992	(s)	0.0	(s)	20.3	4.5	(s)	0.3	0.9	1.5	7.2	NA	0.2	42.9	R 70.6	R 91.6	R 162.3
1993	(s)	(s)	(s)	25.0	3.2	0.1	0.3	0.2	1.1	4.8	R 0.8	0.2	43.9	R 74.8	92.7	R 167.5
1994	(s)	(s)	(s)	24.0	3.0	0.1	0.3	0.2	0.7	4.3	R 0.9	0.2	45.8	R 75.2	95.6	R 170.8
1995	(s)	0.0	(s)	23.4	4.6	0.1	0.3	0.2	0.6	5.7	R 0.9	0.2	46.3	R 76.5	96.4	R 172.8
1996	0.0	0.0	0.0	26.7	3.6	0.2	0.3	0.2	0.5	4.8	R 0.9	0.2	48.1	R 80.8	100.0	R 180.8
1997	(s)	0.0	(s)	26.7	4.4	0.1	0.3	0.2	0.3	5.2	0.8	0.3	49.4	82.4	102.6	185.0

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>d</sup> Small amounts of solar energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

R=Revised data.

—=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 242. Industrial Energy Consumption Estimates, Selected Years 1960-1997, Oregon

Year	Coal	Natural Gas <sup>a</sup>	Petroleum										Hydro-electric Power <sup>b</sup>	Wood and Waste	Other <sup>b,d</sup>	Electricity <sup>b</sup>	Electrical System Energy Losses <sup>e</sup>	Total
			Asphalt and Road Oil <sup>b</sup>	Distillate Fuel <sup>b</sup>	Kerosene <sup>b</sup>	LPG <sup>b</sup>	Lubricants <sup>b</sup>	Motor Gasoline	Residual Fuel <sup>b</sup>	Other <sup>b,c</sup>	Total							
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels										Other <sup>b,d</sup>	Other <sup>b,d</sup>	Other <sup>b,d</sup>	Other <sup>b,d</sup>	Other <sup>b,d</sup>	
1960	217	20	1,820	3,723	44	558	175	1,080	3,411	434	11,244	77	—	—	5,247	—	13,051	—
1965	175	39	1,960	4,287	10	33	208	808	3,398	1,653	12,358	61	—	—	7,167	—	17,111	—
1970	109	58	2,167	3,413	107	212	281	722	4,217	1,613	12,733	77	—	—	9,123	—	22,109	—
1975	116	57	3,218	2,827	143	287	189	560	2,922	1,395	11,541	40	—	—	12,402	—	29,916	—
1980	213	39	2,483	3,992	38	614	221	417	2,528	1,043	11,337	28	—	—	13,847	—	33,671	—
1985	170	38	2,838	2,545	1	728	201	482	1,679	813	9,289	28	—	—	11,081	—	26,033	—
1986	162	32	2,225	2,476	2	850	197	500	2,153	1,210	9,613	28	—	—	10,994	—	25,289	—
1987	202	37	2,140	3,045	1	821	223	482	1,576	1,845	10,135	28	—	—	13,210	—	30,183	—
1988	172	40	2,423	2,914	2	1,008	215	417	1,606	1,818	10,403	28	—	—	13,633	—	30,821	—
1989	84	44	2,802	2,898	4	1,005	220	478	366	1,743	9,516	f NA	—	—	14,913	—	R 33,507	—
1990	82	49	3,026	2,843	4	755	227	425	453	2,150	9,884	NA	—	—	15,498	—	R 33,898	—
1991	108	55	2,657	2,291	4	826	203	489	349	2,167	8,986	NA	—	—	15,297	—	R 33,299	—
1992	129	59	3,297	2,270	9	776	207	254	503	2,904	10,220	NA	—	—	15,123	—	R 32,303	—
1993	117	61	3,329	2,433	12	849	211	452	677	2,389	10,352	NA	—	—	15,012	—	31,718	—
1994	145	63	3,422	2,091	10	603	220	498	420	2,578	9,843	NA	—	—	15,072	—	R 31,451	—
1995	147	69	2,758	2,624	23	850	216	513	330	2,631	9,945	NA	—	—	15,839	—	R 32,998	—
1996	90	88	2,745	1,738	11	1,020	210	565	136	2,816	9,241	NA	—	—	15,804	—	R 32,892	—
1997	95	90	2,965	2,211	6	1,046	222	584	169	2,614	9,817	NA	—	—	15,931	—	33,085	—
<b>Trillion Btu</b>																		
1960	4.9	20.9	12.1	21.7	0.3	2.2	1.1	5.7	21.4	2.6	67.0	0.8	R 37.3	0.0	17.9	R 148.9	44.5	R 193.4
1965	3.9	41.5	13.0	25.0	0.1	0.1	1.3	4.2	21.4	9.8	74.8	0.6	R 44.1	0.0	24.5	R 189.5	58.4	R 247.9
1970	2.3	60.3	14.4	19.9	0.6	0.8	1.7	3.8	26.5	9.5	77.1	0.8	R 47.6	0.0	31.1	R 219.2	75.4	R 294.7
1975	2.4	59.6	21.4	16.5	0.8	1.1	1.1	2.9	18.4	8.3	70.4	0.4	R 47.8	0.0	42.3	R 222.9	102.1	R 325.0
1980	3.8	41.0	16.5	23.3	0.2	2.3	1.3	2.2	15.9	6.1	67.8	0.3	R 75.1	0.0	47.2	R 235.2	114.9	R 350.0
1985	3.0	39.0	18.8	14.8	(s)	2.6	1.2	2.5	10.6	4.8	55.4	0.3	R 87.9	0.0	37.8	R 223.5	88.8	R 312.4
1986	2.9	32.3	14.8	14.4	(s)	3.1	1.2	2.6	13.5	7.1	56.8	0.3	R 94.6	0.0	37.5	R 224.3	86.3	R 310.6
1987	3.6	37.8	14.2	17.7	(s)	3.0	1.4	2.5	9.9	11.0	59.7	0.3	R 94.2	0.0	45.1	R 240.7	103.0	R 343.7
1988	3.0	40.8	16.1	17.0	(s)	3.7	1.3	2.2	10.1	10.8	61.2	0.3	R 98.0	0.0	46.5	R 249.7	105.2	R 354.9
1989	1.5	45.3	18.6	16.9	(s)	3.7	1.3	2.5	2.3	10.4	55.7	R f 1.3	R f 90.8	R f 0.1	50.9	R f 245.7	114.3	R f 360.0
1990	1.4	50.1	20.1	16.6	(s)	2.7	1.4	2.2	2.8	12.8	58.7	1.6	R 60.5	R 0.1	52.9	R 225.3	115.7	R 340.9
1991	1.9	56.8	17.6	13.3	(s)	3.0	1.2	2.6	2.2	12.8	52.8	R 1.6	R 60.5	R 0.1	52.2	R 225.8	113.6	R 339.4
1992	2.3	60.8	21.9	13.2	0.1	2.8	1.3	1.3	3.2	17.2	60.9	2.5	R 62.3	R 0.1	51.6	R 240.6	110.2	R 350.8
1993	2.2	63.2	22.1	14.2	0.1	3.1	1.3	2.4	4.3	14.1	61.4	3.5	R 62.4	R 0.1	51.2	R 244.0	108.2	R 352.2
1994	2.9	65.6	22.7	12.2	0.1	2.2	1.3	2.6	2.6	15.3	59.0	3.2	R 72.3	R 0.1	51.4	R 254.4	107.3	R 361.7
1995	2.8	72.0	18.3	15.3	0.1	3.1	1.3	2.7	2.1	15.6	58.5	3.7	R 76.0	R 0.1	54.0	R 267.1	112.6	R 379.7
1996	1.9	91.6	18.2	10.1	0.1	3.7	1.3	3.0	0.9	16.7	53.9	4.2	R 78.3	R 0.1	53.9	R 283.8	112.2	R 396.0
1997	1.9	94.8	19.7	12.9	(s)	3.8	1.3	3.1	1.1	15.5	57.3	4.4	80.2	0.1	54.4	293.1	112.9	406.0

<sup>a</sup> Includes supplemental gaseous fuels.<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.<sup>c</sup> "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."<sup>d</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.<sup>e</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

kWh=kilowatthours. —=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 243. Transportation Energy Consumption Estimates, Selected Years 1960-1997, Oregon

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum									Ethanol <sup>c</sup>	Electricity <sup>a</sup>	Electrical System Energy Losses <sup>d</sup>	Total <sup>c</sup>	
			Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	LPG <sup>a</sup>	Lubricants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Gallons	Million Kilowatthours	Net Energy	Million Kilowatthours		
1960	4	(s)	655	2,893	384	10	301	15,142	1,157	20,542	0	0	—	0	—	—
1965	1	1	277	3,664	812	4	404	18,824	670	24,654	0	0	—	0	—	—
1970	(s)	6	305	4,782	2,086	18	487	23,987	1,070	32,736	0	0	—	0	—	—
1975	(s)	8	171	6,783	2,079	13	490	28,125	438	38,098	0	0	—	0	—	—
1980	0	6	260	8,851	2,465	65	530	29,803	1,107	43,080	0	0	—	0	—	—
1985	0	5	141	9,088	2,142	191	482	28,335	3,091	43,469	0	0	—	0	—	—
1986	0	3	193	9,028	2,618	156	471	29,213	3,010	44,688	0	0	—	0	—	—
1987	0	8	127	9,791	2,928	175	533	29,924	3,293	46,771	0	R 8	—	R 18	—	—
1988	0	8	98	10,195	3,189	201	514	31,438	4,218	49,853	0	R 9	—	R 21	—	—
1989	0	9	102	10,317	3,377	186	527	31,191	4,755	50,455	R e 29,651	R 9	—	R 19	—	—
1990	0	9	121	11,032	3,319	183	542	31,030	3,752	49,979	34,245	R 9	—	R 20	—	—
1991	0	9	126	11,356	3,744	158	485	31,462	5,729	53,060	27,145	R 10	—	R 22	—	—
1992	0	7	129	11,227	4,011	146	495	31,502	5,824	53,334	32,992	R 10	—	R 22	—	—
1993	0	5	110	10,054	4,310	144	504	33,044	3,804	51,970	36,818	R 10	—	R 22	—	—
1994	0	6	156	10,460	4,649	220	527	33,306	3,921	53,239	0	R 11	—	R 22	—	—
1995	0	7	143	10,340	5,114	110	518	33,476	3,227	52,928	0	R 14	—	R 28	—	—
1996	0	8	191	10,899	5,235	105	502	34,562	3,084	54,579	0	R 11	—	R 23	—	—
1997	0	13	176	11,609	5,720	96	531	32,980	3,302	54,414	0	11	—	23	—	—
Trillion Btu																
1960	0.1	0.1	3.3	16.9	2.1	(s)	1.8	79.5	7.3	111.0	0.0	0.0	111.1	0.0	111.1	—
1965	(s)	0.7	1.4	21.3	4.5	(s)	2.4	98.9	4.2	132.8	0.0	0.0	133.6	0.0	133.6	—
1970	(s)	5.8	1.5	27.9	11.8	0.1	3.0	126.0	6.7	176.9	0.0	0.0	182.7	0.0	182.7	—
1975	(s)	8.2	0.9	39.5	11.7	(s)	3.0	147.7	2.8	205.6	0.0	0.0	213.8	0.0	213.8	—
1980	0.0	5.9	1.3	51.6	13.9	0.2	3.2	156.6	7.0	233.8	0.0	0.0	239.6	0.0	239.6	—
1985	0.0	4.7	0.7	52.9	12.1	0.7	2.9	148.8	19.4	237.6	0.0	0.0	242.3	0.0	242.3	—
1986	0.0	3.6	1.0	52.6	14.8	0.6	2.9	153.5	18.9	244.1	0.0	0.0	247.7	0.0	247.7	—
1987	0.0	8.2	0.6	57.0	16.5	0.6	3.2	157.2	20.7	255.9	0.0	(s)	264.2	0.1	264.2	—
1988	0.0	8.2	0.5	59.4	18.0	0.7	3.1	165.1	26.5	273.4	R e 2.3	(s)	281.7	0.1	281.7	—
1989	0.0	8.8	0.5	60.1	19.1	0.7	3.2	163.8	29.9	277.3	R e 2.3	(s)	286.2	0.1	286.2	—
1990	0.0	9.2	0.6	64.3	18.8	0.7	3.3	163.0	23.6	274.2	2.6	(s)	283.4	0.1	283.5	—
1991	0.0	9.1	0.6	66.2	21.1	0.6	2.9	165.3	36.0	292.7	2.1	(s)	301.8	0.1	301.9	—
1992	0.0	7.1	0.7	65.4	22.7	0.5	3.0	165.5	36.6	294.3	2.5	(s)	R 301.5	0.1	301.5	—
1993	0.0	5.1	0.6	58.6	24.4	0.5	3.1	173.6	23.9	284.6	2.8	(s)	289.7	0.1	R 289.8	—
1994	0.0	6.1	0.8	60.9	26.4	0.8	3.2	175.0	24.7	291.7	0.0	(s)	297.8	0.1	R 297.9	—
1995	0.0	7.6	0.7	60.2	29.0	0.4	3.1	175.8	20.3	289.6	0.0	(s)	297.3	0.1	R 297.4	—
1996	0.0	8.3	1.0	63.5	29.7	0.4	3.0	181.6	19.4	298.5	0.0	(s)	306.8	0.1	306.9	—
1997	0.0	13.1	0.9	67.6	32.4	0.3	3.2	173.2	20.8	298.5	0.0	(s)	311.7	0.1	311.7	—

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

<sup>c</sup> Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

<sup>d</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>e</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 244. Estimates of Energy Input at Electric Utilities, Selected Years 1960-1997, Oregon

Year	Coal			Natural Gas <sup>a</sup>	Petroleum				Nuclear Electric Power	Hydroelectric Power <sup>e</sup>	Wood and Waste	Geothermal Energy	Other <sup>b,f</sup>	Total <sup>g</sup>
	Bituminous Coal and Lignite	Anthracite	Total		Heavy Oil <sup>b,c</sup>	Light Oil <sup>b,d</sup>	Petroleum Coke <sup>b</sup>	Total						
	Billion Cubic Feet			Thousand Barrels				Million Kilowatthours						
Year	Thousand Short Tons													
1960	0	0	0	1	3	(s)	0	3	0	12,389	24	0	0	-
1965	0	0	0	(s)	1	(s)	0	1	0	16,447	26	0	0	-
1970	0	0	0	1	18	(s)	0	19	0	29,836	44	0	0	-
1975	0	0	0	(s)	0	29	0	29	2	34,522	(s)	0	0	-
1980	485	0	485	(s)	0	110	0	110	5,395	30,194	160	0	0	-
1985	418	0	418	0	0	3	0	3	6,911	45,848	0	0	0	-
1986	0	0	0	(s)	0	4	0	4	7,081	42,068	0	0	0	-
1987	0	0	0	0	0	2	0	2	4,348	40,689	0	0	0	-
1988	0	0	0	0	0	1	0	1	6,339	36,281	99	0	0	-
1989	306	0	306	13	0	76	0	76	5,299	R 39,503	28	0	0	-
1990	850	0	850	7	0	56	0	56	6,074	42,682	1	0	0	-
1991	1,831	0	1,831	11	0	23	0	23	1,465	43,643	(s)	0	0	-
1992	1,994	0	1,994	14	0	19	0	19	4,573	36,209	6	0	0	-
1993	1,981	0	1,981	16	0	56	0	56	-21	38,066	11	0	0	-
1994	2,333	0	2,333	26	0	11	0	11	0	33,327	0	0	0	-
1995	977	0	977	19	0	12	0	12	0	41,499	0	0	0	-
1996	1,044	0	1,044	14	0	10	0	10	0	47,117	0	0	0	-
1997	822	0	822	11	0	23	0	23	0	46,736	0	0	0	-
Trillion Btu														
1960	0.0	0.0	0.0	0.7	(s)	(s)	0.0	(s)	0.0	133.3	0.3	0.0	0.0	134.3
1965	0.0	0.0	0.0	0.1	(s)	(s)	0.0	(s)	0.0	171.9	0.3	0.0	0.0	172.3
1970	0.0	0.0	0.0	1.1	0.1	(s)	0.0	0.1	0.0	313.1	0.5	0.0	0.0	314.7
1975	0.0	0.0	0.0	(s)	0.0	0.2	0.0	0.2	(s)	359.2	(s)	0.0	0.0	359.4
1980	7.9	0.0	7.9	0.3	0.0	0.6	0.0	0.6	58.8	313.7	1.7	0.0	0.0	383.1
1985	6.9	0.0	6.9	0.0	0.0	(s)	0.0	(s)	74.7	479.0	0.0	0.0	0.0	560.7
1986	0.0	0.0	0.0	(s)	0.0	(s)	0.0	(s)	76.5	439.4	0.0	0.0	0.0	515.9
1987	0.0	0.0	0.0	0.0	0.0	(s)	0.0	(s)	46.9	423.9	0.0	0.0	0.0	470.8
1988	0.0	0.0	0.0	0.0	0.0	(s)	0.0	(s)	68.1	374.6	1.0	0.0	0.0	443.7
1989	5.2	0.0	5.2	13.4	0.0	0.4	0.0	0.4	56.8	R 412.1	0.3	0.0	0.0	492.9
1990	14.2	0.0	14.2	7.6	0.0	0.3	0.0	0.3	64.9	R 444.0	(s)	0.0	0.0	R 535.6
1991	30.9	0.0	30.9	11.0	0.0	0.1	0.0	0.1	15.7	R 455.5	(s)	0.0	0.0	R 521.5
1992	38.4	0.0	38.4	14.4	0.0	0.1	0.0	0.1	48.8	R 374.5	0.1	0.0	0.0	R 491.3
1993	34.9	0.0	34.9	16.3	0.0	0.3	0.0	0.3	-0.2	392.4	0.1	0.0	0.0	451.6
1994	41.7	0.0	41.7	26.4	0.0	0.1	0.0	0.1	0.0	R 343.8	0.0	0.0	0.0	R 428.1
1995	17.4	0.0	17.4	19.4	0.0	0.1	0.0	0.1	0.0	R 427.9	0.0	0.0	0.0	R 470.8
1996	18.3	0.0	18.3	14.1	0.0	0.1	0.0	0.1	0.0	R 487.0	0.0	0.0	0.0	R 529.1
1997	14.4	0.0	14.4	10.8	0.0	0.1	0.0	0.1	0.0	481.9	0.0	0.0	0.0	510.5

<sup>a</sup> Includes supplemental gaseous fuels.<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.<sup>c</sup> Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.<sup>d</sup> Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.<sup>e</sup> If applicable, through 1989, includes all net imports of electricity, and, from 1990, includes only the portion of imports of electricity that is derived from hydroelectric power.<sup>f</sup> "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.<sup>g</sup> If applicable, from 1990, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.